

Amendments to the Specification:

Please amend the paragraph (section) beginning on page 12, at line 20 as shown below:

FIGURE 8a and 8b are schematic diagrams showing scanning of an upper arm without (*i.e.*, Figure 8a) and with (*i.e.*, Figure 8b) a blood pressure cuff; while imaging the cross-section of the brachial artery and collecting ultrasound data frame-by-frame, surface compression was performed; the applied external pressure over the range of physiologic pressure is comparable to the pressure that would be generated in measuring a subject's blood pressure; both Figure 8a and 8b illustrate enough pressure equalization effect to bring the artery into the low preload region; external force can be monitored by a ~~monometer~~ manometer attached to the cuff in Figure 8b;